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Calvoa (8, with one new), Amphiblemma (7). A new genus, Afzeliella, is described, founded upon *Guyonia ciliata* Hook., in addition to the seven new genera (Urotheca, Petalonema, Cincinnobotrys, Myrianthemum, Tetraphyllaster, Phæoneuron, and Orthogoneuron) described by the author in Engler's *Pflanzenfamilien*. In comparing the African representation of the family with its occurrence in other tropical regions, it is stated that the relationship to tropical America is hardly worth mentioning, while that to the East Indies is striking. This conclusion, taken in connection with that of Dr. Engler, mentioned above, in his study of the Moraceæ is especially interesting.—J. M. C.

#### Schwendener's collected works.

TWENTY YEARS ago Prof. Dr. Simon Schwendener was called to the University of Berlin. For some years he has cherished the wish to bring together his papers published in the *Berichte* and *Abhandlungen* of the Royal Prussian Academy of Sciences and occasionally in other places. This wish has now been realized in the publication of two octavo volumes of almost 900 pages.<sup>2</sup> The time is particularly opportune, because since January 1, 1898, separates of the publications in the Academy transactions have been made available to the book trade.

The papers, to the number of thirty-one, have been reprinted without change, except of typographical errors and mistakes in calculations. The place of original publication is also cited. We wish we could add that the original pagination was indicated, but this has unfortunately been overlooked or considered inadvisable. To a few of the papers the author has added brief supplementary remarks, either by way of defense or explanation.

The arrangement of the papers is according to subject and, within each category, chronological. The range of subjects is so great that we think it of enough interest to reproduce the list: Trajectoric curves; stomata; phyllotaxy; ascent of sap; swelling and double refraction; twining of plants; stability (*Festigkeit*) of plants; latex vessels; protective sheaths; pulvini. Besides these he has papers in collaboration with G. Krabbe on torsions of leaves and on the relation between turgor and growth. On each of these subjects there are from one to three papers, except on phyllotaxy which includes six.

Nothing need be said as to the contents of the volumes, for Schwendener's researches have already a high place in the esteem of his contemporaries. It is a matter of congratulation both for author and botanists that they have now been conveniently collected as have those of Sachs, Nägeli and Pringsheim.—C.R.B.

<sup>2</sup> SCHWENDENER, S. *Gesammelte botanische Mittheilungen*. 8vo. Vol. I. pp. viii + 453. *figs.* 15, *pl.* 11. Vol. II. pp. vi + 419. *figs.* 8, *pl.* 15. Berlin: Gebrüder Borntraeger. 1898. *M* 25.